



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Dimpsey et al.

Serial No.: 10/806,633

Filed: March 22, 2004

For: Method and Apparatus for
Providing Hardware Assistance for
Data Access Coverage on Dynamically
Allocated Data

35525

PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

§ Group Art Unit: 2188

§ Examiner: Padmanabhan, Mano

§ Attorney Docket No.: AUS920040062US1

Certificate of Mailing Under 37 C.F.R. § 1.8(a)
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June 27 2005

By:

Jennifer Pilcher

TRANSMITTAL DOCUMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

ENCLOSED HEREWITH:

- Information Disclosure Statement;
- Form PTO-1449;
- References BH-CM; and
- Our return postcard.

No fees are believed to be necessary. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 09-0447. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 09-0447.

Respectfully submitted,

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Dimpsey et al.** §
Serial No.: **10/806,633** § Group Art Unit: **2188**
Filed: **March 22, 2004** § Examiner: **Padmanabhan, Mano**
For: **Method and Apparatus for** §
Providing Hardware Assistance for Data §
Access Coverage on Dynamically §
Allocated Data § Attorney Docket No.: **AUS920040062US1**

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants request that the information listed on the attached Form PTO-1449 be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. 1.97.

Please charge any fees necessary for prosecution of the present application to Deposit Account No. 09-0447. If any extension of time is required, such extension is hereby requested. Please charge any additional required fee for extension of time to Deposit Account No. 09-0447.

In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standards of materiality defined in 37 C.F.R. 1.56(b), enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. 1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) within three months of the filing date of the application, or before the mailing date of a first office action on the merits. No fee is required.

Date: 6/21/05

Respectfully submitted,



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Form PTO-1449			ATTORNEY DOCKET NO. AUS920040062US1	SERIAL NO. 10/806,633	
LIST OF PRIOR ART CITED BY APPLICANT <small>(Use several sheets if necessary)</small>			APPLICANT Dimpsey et al.		
			FILING DATE March 22, 2004	GROUP ART UNIT 2188	
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
AA	5,103,394	Apr. 7, 1992	Blasciak	395/575	Dec. 21, 1989
AB	6,330,662 B1	Dec. 11, 2001	Patel et al.	712/236	Feb. 23, 1999
AC	6,480,938 B2	Nov. 12, 2002	Vondran, Jr.	711/125	Dec. 15, 2000
AD	6,430,741 B1	Aug. 6, 2002	Mattson, Jr. et al.	717/154	Feb. 26, 1999
AE	6,189,141 B1	Feb. 13, 2001	Benitez et al.	717/4	May 4, 1998
AF	5,930,508	Jul. 27, 1999	Faraboschi et al.	395/706	Jun. 9, 1997
AG	6,351,844 B1	Feb. 26, 2002	Bala	717/4	Nov. 5, 1998
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AI	6,442,585 B1	Aug. 27, 2002	Dean et al.	709/108	Nov. 26, 1997
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AN	6,223,338 B1	Apr. 24, 2001	Smolders	717/4	Sep. 30, 1998
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AW	6,286,132 B1	Sep. 4, 2001	Tanaka et al.	717/4	Jan. 7, 1999
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BA	5,966,537	Oct. 12, 1999	Ravichandran	395/709	May 28, 1997
DATE CONSIDERED			EXAMINER		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
BB	2002/0129309	Sep. 12, 2002	Floyd et al.	714/724	Dec. 18, 2000
BC	2001/0032305	Oct. 18, 2001	Barry	712/34	Feb. 23, 2001
BD	2002/0199179	Dec. 26, 2002	Lavery et al.	717/158	Jun. 21, 2001
BE	2002/0124237	Sep. 5, 2002	Sprunt et al.	717/127	Dec. 29, 2000
BF	2002/0147965	Oct. 10, 2002	Swaine et al.	717/124	Feb. 1, 2001
BG	2002/0019976	Feb. 14, 2002	Patel et al.	717/137	May 25, 2001
FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO
BH	JP2000029731	Dec. 8, 1999	Japan	G06F 9/38	X
BI	JP2000347863	Dec. 15, 2000	Japan	G06F 9/38	X
OTHER PRIOR ART (including author, title, date, pertinent page, etc.)					
BJ	Kikuchi, "Parallelization Assist System", Joho Shori, Vol. 34, No. 9, Sept. 1993, pp. 1158-1169.				
BK	Cohen et al., "Hardware-Assisted Characterization of NAS Benchmarks", Cluster Computing, Vol. 4, No. 3, July 2001, pp. 189-196.				
BL	Talla et al., "Evaluating Signal Processing and Multimedia Applications on SIMD, VLIW and Super Scalar Architectures", International Conference on Computer Design, Austin, Sept. 17-20, 2000, pp. 163-172.				
BM	Iwasawa et al., "Parallelization Method of Fortran DO Loops by Parallelizing Assist System", Transactions of Information Processings Society of Japan, Vol. 36, No. 8, Aug. 1995, pp. 1995-2006.				
BN	Talla et al., "Execution Characteristics of Multimedia Applications on a Pentium II Processor", IEEE International Performance, Computing, and Communications Conference, 19 th , Phoenix, Feb. 20-22, 2000, pp. 516-524.				
BO	IBM Research Disclosure Bulletin 444188, "Enable Debuggers as an Objective Performance Measurement Tool for Software Development Cost Reduction", April 2001, pp. 686-688.				
RELATED PATENT APPLICATIONS					
EXAMINER INITIAL	APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE		FILING DATE
BP	09/435,069 AT9-99-491	Davidson et al.	Method and Apparatus for Instruction Sampling for Performance Monitoring and Debug		Nov. 4, 1999
BQ	08/538,071 AUT919950055US1	Gover et al.	Method and System for Selecting and Distinguishing an Event Sequence using an Effective Address in a Processing System		Oct. 2, 1995
DATE CONSIDERED			EXAMINER		
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RELATED PATENT APPLICATIONS					
EXAMINER INITIAL		APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE	FILING DATE
	BR	10/675,777 / AUS920030477US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Instruction Execution and Data Accesses	Sep. 30, 2003
	BS	10/674,604 / AUS920030478US1	DeWitt, Jr. et al.	Method and Apparatus for Selectively Counting Instructions and Data Accesses	Sep. 30, 2003
	BT	10/675,831 / AUS920030479US1	DeWitt, Jr. et al.	Method and Apparatus for Generating Interrupts Upon Execution of Marked Instructions and Upon Access to Marked Memory Locations	Sep. 30, 2003
	BU	10/675,778 / AUS920030480US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Data Accesses and Instruction Executions that Exceed a Threshold	Sep. 30, 2003
	BV	10/675,776 / AUS920030481US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Execution of Specific Instructions and Accesses to Specific Data Locations	Sep. 30, 2003
	BW	10/675,751 / AUS920030482US1	DeWitt, Jr. et al.	Method and Apparatus for Debug Support for Individual Instructions and Memory Locations	Sep. 30, 2003
	BX	10/675,721 / AUS920030483US1	Levine et al.	Method and Apparatus to Autonomically Select Instructions for Selective Counting	Sep. 30, 2003
	BY	10/674,642 / AUS920030484US1	Levine et al.	Method and Apparatus to Autonomically Count Instruction Execution for Applications	Sep. 30, 2003
	BZ	10/674,606 / AUS920030485US1	Levine et al.	Method and Apparatus to Autonomically Take an Execution on Specified Instructions	Sep. 30, 2003
	CA	10/675,783 / AUS920030486US1	Levine et al.	Method and Apparatus to Autonomically Profile Applications	Sep. 30, 2003
	CB	10/675,872 / AUS920030487US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Instruction and Memory Location Ranges	Sep. 30, 2003
	CC	10/757,250 / AUS920030488US1	Levine et al.	Method and Apparatus for Maintaining Performance Monitoring Structures in a Page Table for use in Monitoring Performance of a Computer Program	Jan. 14, 2004
	CD	10/757,192 / AUS920030543US1	DeWitt, Jr. et al.	Method and Apparatus for Providing Pre and Post Handlers for Recording Events	Jan. 14, 2004
	CE	10/757,192 / AUS920030548US1	DeWitt, Jr. et al.	Method and Apparatus for Determining Computer Program Flows Autonomically Using Hardware Assisted Thread Stack Tracking and Catalogued Symbolic Data	March 18, 2004
DATE CONSIDERED			EXAMINER		
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RELATED PATENT APPLICATIONS			
EXAMINER INITIAL	APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE
	CF 10/757,227 / AUS920030555US1	DeWitt, Jr. et al.	Method and Apparatus for Autonomically Moving Cache Entries to Dedicated Storage when False Cache Line Sharing is Detected
	CG 10/757,197 / AUS920030556US1	DeWitt, Jr. et al.	Method and Apparatus for Optimizing Code Execution Using Annotated Trace Information having Performance Indicator and Counter Information
	CH 10/807,094 / AUS920040059US1	Dimpsey et al.	Method and Apparatus for Providing Hardware Assistance for Code Coverage
	CI 10/808,716 / AUS920040060US1	Dimpsey et al.	Method and Apparatus for Autonomic Test Case Feedback Using Hardware Assistance for Code Coverage
	CJ 10/806,576 / AUS920040061US1	Dimpsey et al.	Method and Apparatus for Hardware Assistance for Data Access Coverage
	CK 10/806,917 / AUS920040063US1	Dimpsey et al.	Method and Apparatus for Automatic Test Case Feedback Using Hardware Assistance for Data Coverage
	CL 10/806,871 / AUS920040064US1	Dimpsey et al.	Method and Apparatus for Hardware Assistance for Prefetching Data
	CM 10/806,866 / AUS920040065US1	Dimpsey et al.	Method and Apparatus for Prefetching Data from a Data Structure
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